Name: _____

Date: _____

Pie Chart of Eye Colour using COUNTIF in Excel

How to Get a Random Sample from CensusAtSchool

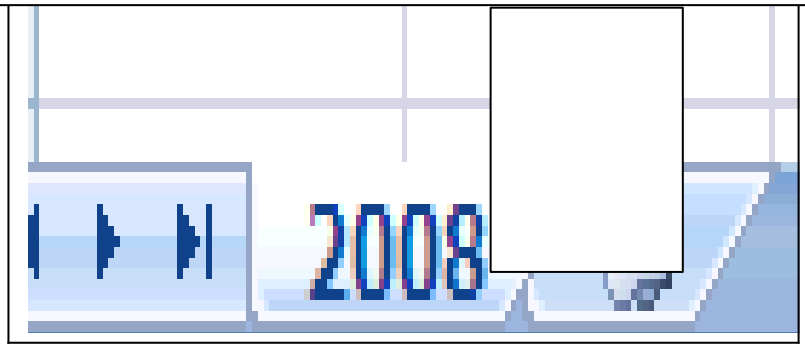
Go to the CensusAtSchool Random Sampler to download a sample.X
Reference year: *(select year)* **Sample size:** *96 students*
Select questions: *Eye colour*
Location: *Select location* **Year level:** *(select a range of year levels)*

To protect privacy there is a rule built into the sampler that the requested sample size cannot exceed 10% entered.

Task 1: Organising your data

In the CensusAtSchool random sample find data for eye colour.

1. Move your cursor to the top of the Eye Colour column until you have an arrow. Click to select t
Edit to
select
Copy.



4. In empty cells set up a frequency table with headings for each of the eye colours in your sample. Borders can be altered from the Home menu.

Eye Colour	Total
Green	

5. Click into the empty cell next to your first eye colour. Enter
= COUNTIF(a2:a97,"green")

where a2 is the first cell of the data a97 is the last cell in the column. Repeat this for each colour.

6. Check you have the correct total by finding the sum of your totals.
In an empty cell in your table enter

=SUM(c3:c9)

Where c3 is your first eye colour total and c9 is the last

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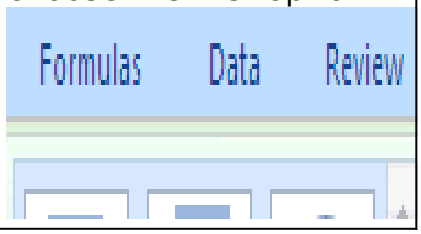
Task 2: Creating a Pie Chart

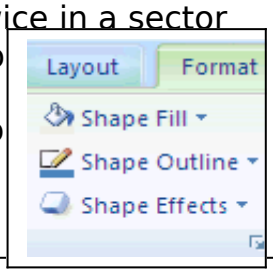
1. Select the data for eye colour in your frequency table. Go to Insert and select Pie to draw your chart.

2. In Chart Layouts choose the first option.

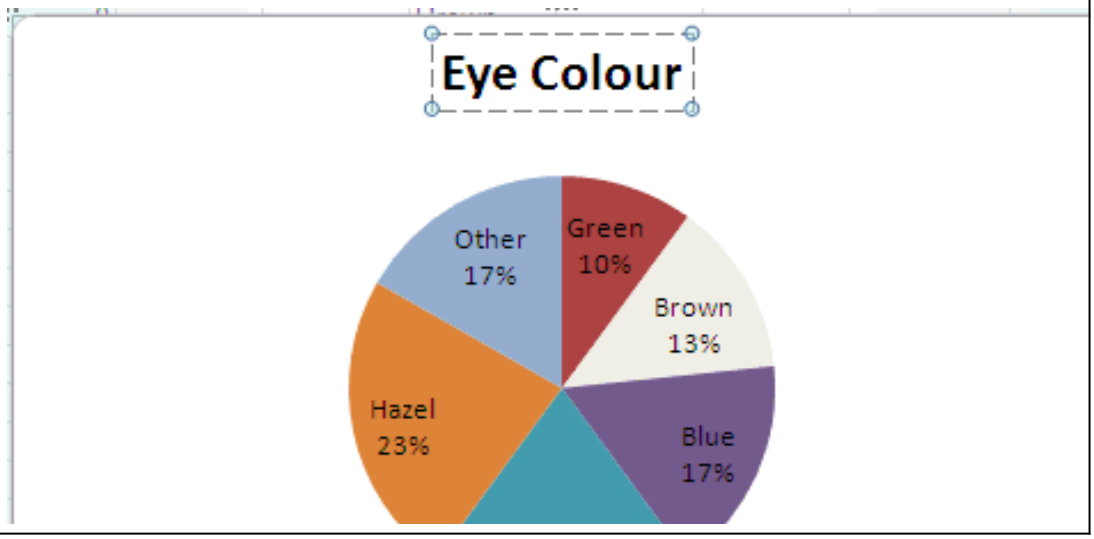


3. Give your chart a title by clicking on Chart Title and changing it to Eye Colour.

4. If you print in black and white you will need to make sure that you can distinguish between colours in your chart. Click twice in a sector above the label. Go Shape Fill to select an appropriate colo



5. Your final pie Chart should look something like this



6. Finally, you can open a Word document and select and copy your chart. Paste it into your document and write a few sentences about what you discovered